

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Algebra Practice Problems

Worksheet generated at **www.math.com**

1.)  $x / 6 = 5/6$

2.)  $5 = x - 1$

3.)  $-4x = 16/7$

4.)  $x - 4 = -11$

5.)  $-3/4x = 21/32$

6.)  $3/4x + 5/6 = -53/12$

7.)  $1/5 + 3/7x = 37/35$

8.)  $4/5 - 2/3x = 14/5$

9.)  $-7/10 + 4x = 153/10$

10.)  $2/9 - 1/2x = -8/45$

11.)  $4/7x - 2 = -18/7$

12.)  $5x + 2/3 = 89/21$

13.)  $-3/4x + 7 = -2$

14.)  $4x + 6 = 38$

15.)  $\frac{1}{3}x + \frac{1}{6} = -\frac{7}{6}$

16.)  $\frac{2}{3}x - 8 - 2x = -\frac{65}{9}$

17.)  $-\frac{4}{7}x + \frac{9}{10} + 5x = -\frac{431}{210}$

18.)  $-2 - 5x + \frac{5}{7}x = -\frac{16}{3}$

19.)  $-7x + 10 - x = 10$

20.)  $\frac{2}{3}x + 3 - \frac{4}{7}x = \frac{65}{21}$

21.)  $-2x - \frac{4}{7} + \frac{1}{7}x = -\frac{82}{7}$

22.)  $\frac{1}{2}x + \frac{8}{9} - \frac{1}{2}x = \frac{8}{9}$

23.)  $\frac{5}{6}x + 4 + x = \frac{79}{6}$

24.)  $2 - 5x + 6x = -4$

25.)  $-\frac{101}{22} = -x - \frac{3}{4}x - 3$

26.)  $5x - \frac{2}{5} = \frac{68}{5} - 2x$

27.)  $-x - 2 = -26 - 5x$

28.)  $-\frac{1}{6}x + 4 = -\frac{8}{3} - x$

29.)  $\frac{1}{5}x + \frac{5}{9} = x + \frac{4}{45}$

30.)  $7x + 10 = 35 + 2x$

31.)  $4x - \frac{1}{2} = \frac{47}{2} + \frac{4}{7}x$

32.)  $6x + \frac{2}{7} = x - \frac{227}{63}$

33.)  $-\frac{2}{5}x + \frac{3}{10} = \frac{1}{3}x + \frac{49}{90}$

34.)  $\frac{1}{3}x + \frac{2}{7} = -\frac{64}{21} + 7x$

35.)  $4x - 7 = -\frac{125}{16} + \frac{3}{4}x$

36.)  $-\frac{4}{7}(-\frac{3}{10} + 5x) = -\frac{24}{35}$

37.)  $5(\frac{4}{7}x + 5) = \frac{245}{9}$

38.)  $-\frac{2}{7}(-\frac{1}{2}x + \frac{6}{7}) = \frac{37}{49}$

39.)  $3(5x + 3) = -51$

40.)  $-6(3 + 3x) = -24$

41.)  $-3(-\frac{4}{5}x - \frac{1}{3}) = \frac{17}{5}$

42.)  $-\frac{2}{3}(\frac{7}{10} + 5x) = -\frac{157}{15}$

43.)  $2(8 - 4x) = \frac{34}{3}$

44.)  $-5(-6 - 2x) = 110$

$$45.) \quad -\frac{4}{5}\left(\frac{1}{2}x + \frac{3}{8}\right) = \frac{5}{2}$$

$$46.) \quad \frac{3}{4}\left(-\frac{3}{4} + 2x\right) = -\frac{9}{8}$$

$$47.) \quad -\frac{5}{7}\left(\frac{3}{4}x + \frac{2}{3}\right) = -\frac{65}{42}$$

$$48.) \quad \frac{1}{2}\left(-\frac{5}{9} + \frac{2}{5}x\right) = -\frac{67}{630}$$

$$49.) \quad 4\left(-\frac{4}{5} + \frac{2}{5}x\right) = \frac{24}{5}$$

$$50.) \quad 5\left(\frac{1}{2} + \frac{3}{4}x\right) = \frac{25}{4}$$